

Weekly Report

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1. 分辨率自适应可视化

做了各种不同的散点图分布以进行进一步测试
测试系统框架完成
联系心理学专家请教视觉感知相关知识

2. IDEA项目

制作了展板（1.10展出）

Papaer Reading

散点图相关

[1] J. Li, J. J. Van Wijk, and J. B. Martens, “A model of symbol lightness discrimination in sparse scatterplots,” IEEE Pacific Vis. Symp. 2010, PacificVis 2010 - Proc., pp. 105–112, 2010.

[2] J. Li, J. B. Martens, and J. J. Van Wijk, “A Model of Symbol Size Discrimination in Scatterplots Jing,” Proc. SIGCHI Conf. Hum. factors Comput. Syst. - CHI ’ 10, pp. 2553–2562, 2010.

[3] J. Li, J. B. Martens, and J. J. Van Wijk, “Judging correlation from scatterplots and parallel coordinate plots,” Inf. Vis., vol. 9, no. 1, pp. 13–30, 2010.

[4] A. C. Telea and L. Linsen, “Skeleton-based Scagnostics,” vol. 24, no. 1, pp. 542–552, 2018.

[5] A. Sarikaya, S. Member, and M. Gleicher, “Scatterplots : Tasks , Data , and Designs,” vol. 24, no. 1, pp. 402–412, 2018.

Evaluation相关

[1] J. Fuchs, P. Isenberg, A. Bezerianos, and D. Keim, “A Systematic Review of Experimental Studies on Data Glyphs,” IEEE Trans. Vis. Comput. Graph., vol. PP, no. 99, p. 1, 2016.

[2] S. Nusrat, M. J. Alam, and S. G. Kobourov, “Evaluating Cartogram Effectiveness,” vol. 24, no. 2, pp. 1105–1118, 2015.

[3] A. C. Valdez, M. Ziefle, and M. Sedlmair, “Priming and Anchoring Effects in Visualizations,” *IEEE Trans. Vis. Comput. Graph.*, vol. 24, no. 1, pp. 584–594, 2017.

[4] Z. Qu and J. Hullman, “Keeping Multiple Views Consistent: Constraints, Validations, and Exceptions in Visualization Authoring,” *IEEE Trans. Vis. Comput. Graph.*, vol. 24, no. 1, pp. 468–477, 2017.

[5] B. Saket, A. Srinivasan, E. D. Ragan, and A. Endert, “Evaluating Interactive Graphical Encodings for Data Visualization,” *IEEE Trans. Vis. Comput. Graph.*, vol. 14, no. 8, pp. 1–1, 2017.

Works Progresses

TASK	PROGRESS	TODO	ISSUES	DATE
专利（两个）	1/2	继续按照要求修改		
VisComposer	投PFAST	等待回复		
VisEvo		idea evaluation		下周
JVLC	publicated			
电子学报	已提交	等待回复		
ECharts论文	投PFAST	等待回复		下周
IDEA项目	展板初稿已完成	1/10 展板		下周